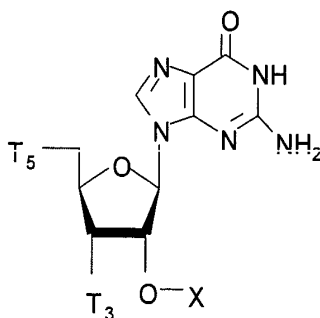


This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

Claims 1-14 (Cancelled).

15 (New). A compound having the structure:



wherein

X is C<sub>1</sub>-C<sub>20</sub> alkyl, C<sub>4</sub>-C<sub>20</sub> alkenyl, or C<sub>2</sub>-C<sub>20</sub> alkynyl; and

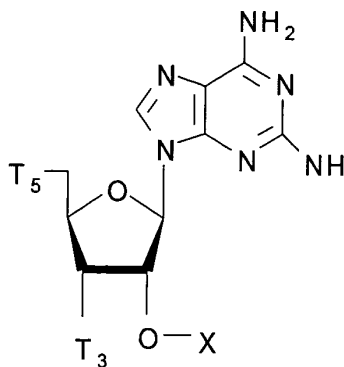
either one of T<sub>3</sub> and T<sub>5</sub> is OH, a hydroxyl blocking group, phosphate or an activated phosphate group and the other of T<sub>3</sub> and T<sub>5</sub> is a nucleotide or both T<sub>3</sub> and T<sub>5</sub> are nucleotides.

16 (New). The compound of claim 15 wherein X is C<sub>3-20</sub> alkyl.

17 (New). The compound of claim 15 wherein X is C<sub>1-6</sub> alkyl.

18 (New). The compound of claim 15 wherein X is methyl.

19 (New). A compound having the structure:



wherein

X is C<sub>1</sub>-C<sub>20</sub> alkyl, C<sub>2</sub>-C<sub>20</sub> alkenyl, or C<sub>2</sub>-C<sub>20</sub> alkynyl; and

either one of T<sub>3</sub> and T<sub>5</sub> is OH, a hydroxyl blocking group, phosphate or an activated phosphate group and the other of T<sub>3</sub> and T<sub>5</sub> is a nucleotide or both T<sub>3</sub> and T<sub>5</sub> are nucleotides.

20 (New). The compound of claim 19 wherein X is C<sub>1-6</sub> alkyl.

21 (New). The compound of claim 19 wherein X is methyl.